IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NUMBER:

10/597,808

FILING DATE:

08/08/2006

FIRST NAMED INVENTOR:

Quanlai Song

ART UNIT:

1623

EXAMINER NAME:

To Be Determined

CONFIRMATION NUMBER:

6589

ATTORNEY DOCKET NUMBER:

DVCM0002USA

TITLE:

SUBSTITUTED PIXYL PROTECTING

GROUPS FOR OLIGONUCLEOTIDE

SYNTHESIS

MAIL STOP AMENDMENT COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT Under 37 C.F.R. §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 C.F. R. §§ 1.56 and 1.97-98, enclosed herewith are PTO Forms PTO/SB/08A and PTO/SB/08B listing references for consideration by the Examiner.

This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 C.F.R. § 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.

This Information Disclosure Statement is being filed before the mailing date of a first office action on the merits. Applicant submits that no fee is required for the consideration of this Information Disclosure Statement. However, if a fee is due, the

Serial No.: 10/597,808 Docket No.: DVCM0002USA

Commissioner is hereby authorized to charge Deposit Account No 500252 referencing case number DVCM0002USA.

Dated: 5/31/2007

Respectfully submitted,

Carmen K. Robinson

Registration No.: **59,489** Isis Pharmaceuticals, Inc. 1896 Rutherford Road Carlsbad, CA 92008

Approved for use through 09/30/2007. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute	e for form 1449/PTO			Complete if Known		
				Application Number	10/597,808	
			CLOSURE	Filing Date	08/08/2006	
STATEMENT BY APPLICANT				First Named Inventor	Quanlai Song	
				Art Unit	1623	
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Sheet	1	of	2	Attorney Docket Number	DVCM0002USA	

U.S. PATENT DOCUMENTS						
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevan	
Initials *	No.1	Number - Kind Code ² (<i>if known</i>)	MM-DD-YYYY	Cited Document	Pages, Colorins, Eries, Where Relevant Passages or Relevant Figures Appear	
	AA	US-5,436,331	07-25-1995	Reese		
	AB	US-5,625,046	04-29-1997	Reese		
	AC	US-2004/0242897	12-02-2004	Guzaev et al.		
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FOREIGN PATENT DOCUMENTS						
Examiner	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Initials*		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)		Applicant of Cited Document		
	AD	EP 0 617 046 A1	09-28-1994	Nippon Chemiphar		
	AE	EP 0 624 372 A2	11-17-1994	Nippon Chemiphar		
	AF	WO 2004/011474 A1	02-05-2004	Isis Pharmaceuticals		

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE	Application Number	10/597,808	
INFORMATION DISCLOSURE	Filing Date	08/08/2006	
STATEMENT BY APPLICANT	First Named Inventor	Quanlai Song	
	Art Unit	1623	
(Use as many sheets as necessary)	Examiner Name	To Be Determined	
Sheet 2 of 2	Attorney Docket Number	DVCM0002USA	

NON PATENT LITERATURE DOCUMENTS						
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	AG	COLEMAN, M. P. et al., "The S-pixyl group: an efficient photocleavable protecting group for the 5' hydroxyl function of deoxyribonucleosides," <i>Tetrahedron Letters</i> (1999) 40:7911-7915.				
	AH	GAFFNEY, P. R. J. et al., "Some Substituted 9-Phenylzanthen-9-yl Protecting Groups," J. Chem. Soc. Perk. Trans. I (1991) 1355-1360.				
	AI	REESE, C. B. et al., "Synthesis of <u>D</u> -myo-Inositol 1,4,5-Trisphosphate," <i>Tetrahedron Letters</i> (1987) 28(20):2309-2312.				
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Examiner		Date	
		Date	
Signature		Considered	
Cignature	1	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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